

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY****401 M Street, S.W.
WASHINGTON, D.C. 20460**

Form Approved OMB No. 2070-0060


Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instruction and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to Director: OPPE Information Management Division (2137) U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date April 4, 2019	EPA Reg. No./File Symbol 89110-3	Page 1 of 4
Applicant's/Registrant's Name & Address: Isomeric Industries Inc. 361 17th Street NW #1224 Atlanta, GA 30363	Product BIONIX GA50M	

Ingredient *Glutaraldehyde (CAS# 111-30-8)*

Guideline Reference	Guideline Study Name	MRID Number	Submitter	Status	Note
End Use Product Registration					
830.1550	Product Identity and composition	50011201	Isomeric Industries, Inc.	OWN	
830.1600	Description of materials	50011201 50821201	Isomeric Industries, Inc.	OWN	This submission
830.1620	Description of production process	50011201 50821201	Isomeric Industries, Inc.	OWN	This submission
830.1650	Description of formulation process	50011201	Isomeric Industries, Inc.	OWN	
830.1670	Discussion of formation of impurities	50011201 50821201	Isomeric Industries, Inc.	OWN	This submission
830.1700	Preliminary analysis	50011201 50821201	Isomeric Industries, Inc.	OWN	This submission
830.1750	Certified limits	50011201	Isomeric Industries, Inc.	OWN	
830.1800	Enforcement analytical method	50011201	Isomeric Industries, Inc.	OWN	
830.1900	Submittal of samples	50011201	Isomeric Industries, Inc.	OWN	
830.6303	Physical state	50011202	Isomeric Industries, Inc.	OWN	
830.6314	Oxidation / reduction	50011202	Isomeric Industries, Inc.	OWN	
830.6315	Flammability	50011202	Isomeric Industries, Inc.	OWN	
830.6316	Explosibility	50011202	Isomeric Industries, Inc.	OWN	
830.6317	Storage stability	50011202	Isomeric Industries, Inc.	OWN	
830.6319	Miscibility	50011202	Isomeric Industries, Inc.	OWN	
830.6320*	Corrosion characteristics	50011202	Isomeric Industries, Inc.	OWN	
830.6321	Dielectric breakdown voltage	50011202	Isomeric Industries, Inc.	OWN	

Signature 	Name and Title Abigail Wacek, Senior Regulatory Consultant	Date April 4, 2019
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830.7000	pH	50011202	Isomeric Industries, Inc.	OWN	
830.7100	Viscosity	50011202	Isomeric Industries, Inc.	OWN	
830.7300	Density / relative density	50011202	Isomeric Industries, Inc.	OWN	

Data Requirements for Unregistered Source of Glutaraldehyde

870.1100 (81-1)	Acute oral toxicity - rat	00011706 00164370	BASF Corporation	RED	
870.1200 (81-2)	Acute dermal toxicity	44691606	BASF Corporation	RED	
870.1300 (81-3)	Acute Inhalation toxicity - rat	00060275	Petrolite Corporation	RED	
870.2400 (81-4)	Primary eye irritation - rabbit	00117066	BASF Corporation	RED	
870.2500 (81-5)	Primary dermal irritation	00117061	BASF Corporation	RED	
870.2600 (81-6)	Dermal sensitization	43330201	Union Carbide Corporation	RED	
870.2600 (81-8, 82-7, 83-1)	Acute Neurotoxicity	45082401 45250301 44672701	Union Carbide Corporation	OLD	
870.3100 (82-1)	90-Day Oral Toxicity - Rodent	40908101 41089601	Union Carbide Corporation	OLD	
870.3150 (82-1)	90-Day Oral Toxicity - Nonrodent	41480501 46666416	Union Carbide Corporation The Dow Chemical Co.	OLD	
870.6200 (81-8, 82-7, 83-1)	90-Day Neurotoxicity - Rat	164184	Union Carbide Corporation	OLD	
870.4100 (83-1)	Chronic Oral Toxicity - Rodent	46502102	The Dow Chemical Co.	OLD	
870.4200 (83-2)	Carcinogenicity – Two Rodent Species	44672701 46645705	The Dow Chemical Co. Union Carbide Corporation	OLD	

Signature

Name and Title

**Abigail Wacek, Senior Regulatory
Consultant**

Date

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Ingredient *Glutaraldehyde (CAS# 111-30-8)*

Guideline Reference	Guideline Study Name	MRID Number	Submitter	Status	Note
870.3700 (83-3)	Prenatal Developmental toxicity - rat	42154101 42154001	Union Carbide Corporation	OLD	
870.3800 (83-4)	Reproduction and Fertility Effects	46046803	BASF Corporation	OLD	
870.5100 (84-2)	Reverse mutation assay	112464 112815	Medical Chemical Corp.	OLD	
870.5300/.5375 (84-2)	<i>In vitro</i> mammalian cell assay	164186 92070011	Union Carbide Corporation	OLD	
870.5385/.5395 (84-2)	<i>In vivo</i> Cytogenetics	42707301 44576302	Union Carbide Corporation	OLD	
870.7800 (85-7)	<i>Immunotoxicity</i>	43330201 45472001	Union Carbide Corporation	OLD	
850.2100 (71-1)	Avian oral toxicity	117070 164373 47854	BASF Corporation	RED	
850.1010 (72-2)	Acute Freshwater Invertebrates	117075 125516 42110101	BASF Corporation Union Carbide Corporation	RED	
850.1075	Acute Freshwater Fish	125515 117077 117076 42612102	Union Carbide Corporation BASF Corporation Safe Materials Inc. (SMI)	RED	
850.1075/.1400 (72-1, 72-3)	Fish Early Life Stage	43982401 43649001	Union Carbide Corporation	RED	
850.1300 (72-4)	Aquatic Invertebrate Life-Cycle	43645701 44210801	Union Carbide Corporation	RED	

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Guideline Reference	Guideline Study Name	MRID Number	Submitter	Status	Note
850.5400	Aquatic Plant Growth (Algal) Tier II	44443101	Union Carbide Corporation	RED	
835.2120 (161-1)	Hydrolysis	42691201 42691701	Union Carbide Corporation	OLD	
835.2240 (161-1)	Photodegradation in Water	164375 42462601	BASF Corporation Safe Materials Inc. (SMI)	OLD	
850.6800	Activated Sludge, Respiration Inhibition	46227702	The Dow Chemical Co.	OLD	

Signature 	Name and Title Abigail Wacek, Senior Regulatory Consultant	Date April 4, 2019
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